**Index of Claims** 



Application/Control No.

10/533,349

Date

Examiner

Mohamed Charioui

Applicant(s)/Patent under Reexamination

FARRELL ET AL.

Art Unit

2857

| √ | Rejected |
|---|----------|
| _ | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cie                    |   | Date                                  |          |  |          |              |                |              |  |                 |  |
|------------------------|---|---------------------------------------|----------|--|----------|--------------|----------------|--------------|--|-----------------|--|
| Clè                    |   |                                       |          |  |          |              |                |              |  |                 |  |
| Final                  | Original                                  | 7/19/07                               | i        |  | !<br>!   |              |                |              |  |                 |  |
|                        | 1   | -                                     |          |  |          | П            |                |              |  |                 |  |
|                        | 2   | -                                     |          | <del>                                     </del> | $\vdash$ |              |                | $\vdash$     | $\overline{}$                                    | H               |  |
|                        | 3   | -                                     |          | T  | $\vdash$ | $\vdash$     |                | t            | <u> </u>   | Н               |  |
|                        | 4   | _                                     | ┪        |  | $\vdash$ | ╁            |                |              | <u> </u>   | $\vdash$        |  |
|                        | 5   |                                       |          | ┢╌   |          | ┢╾           |                | -            | ╁  | $\vdash$        |  |
|                        | 6   |                                       | -        | -  | ┢        | ┢            |                | ┢            |  | Н               |  |
|                        | 7   | 1                                     | -        | ╁  | ⊢        | ├            | -              | ┢            | -  | ╫┈┥             |  |
|                        | 8   | -                                     | $\vdash$ | -  | ├        | ├-           |                | -            | ┢  | Н               |  |
|                        | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | Ε.                                    |          | ╁  | -        | ├            | ├              | $\vdash$     |  |                 |  |
| -                      | 10  | 一                                     | $\vdash$ | ┝╌   | -        |              |                | -            | -  | $\vdash$        |  |
| -                      | 11  | ┝                                     |          |  | ⊢        | <del> </del> | $\vdash$       | ├-           | -  | Н               |  |
| <del> </del>           | 12  | <del>-</del>                          | $\vdash$ | ┼  | $\vdash$ | ╁            | $\vdash$       | <del> </del> | -  | $\vdash\vdash$  |  |
|                        | 12  | <del>  -</del>                        | ├        | $\vdash$   | $\vdash$ | ⊢            | -              | $\vdash$     | ├-   | $\vdash \vdash$ |  |
| $\vdash$               | 14  | ┢▔                                    | $\vdash$ | ┼  | $\vdash$ | ├-           | $\vdash$       |              | <del>                                     </del> | Н               |  |
| <del></del>            | 11<br>12<br>13<br>14<br>15<br>16<br>17    | 1                                     | ├        | $\vdash$   | $\vdash$ | ├—           | <del> </del>   | $\vdash$     | ١  | $\vdash \vdash$ |  |
| <u> </u>               | 16  |                                       | $\vdash$ | ⊢  | ⊢        | ⊢            |                | ├            | -  | Н               |  |
| <u> </u>               | 10  | 0                                     | -        | <del> </del>                                     | _        | ⊢            | -              | $\vdash$     |  | <del>├</del>    |  |
| <u> </u>               | 10  | -                                     | ┞        | ⊢  | -        |              |                | -            | _  | H               |  |
| <u> </u>               | 18<br>19                                  | 9                                     |          | ├  | ⊢        | _            | ļ. —           | _            | _  | $\vdash$        |  |
|                        | 19  | -                                     | _        | <u> </u>   | _        | _            | <del> </del> _ | _            | ļ  | Щ               |  |
| <u> </u>               | 20  | ٥                                     | <u> </u> | <u> </u>   | ⊢        | _            | -              | <u> </u>     | ┡  |                 |  |
| <u> </u>               | 21<br>22<br>23<br>24<br>25                | 0                                     | _        | <u> </u>   | ┡        | ļ            | _              | <u> </u>     | <u> </u>   | _               |  |
|                        | 22  | <u>v</u>                              | _        | <u> </u>   | <u> </u> | <u> </u>     | <b>—</b>       | _            | <u> </u>   | Щ               |  |
| <u> </u>               | 23  | 1                                     |          | ▙  | _        | <u> </u>     | <u> </u>       | _            | <u> </u>   | Щ               |  |
|                        | 24  | <u>\</u>                              | _        | -  |          | <u> </u>     | _              | _            |  | Щ               |  |
| ├─                     | 20  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | _        | -  | <b></b>  | ⊢            |                | -            | <b> </b> _                                       | $\vdash$        |  |
|                        | 26<br>27<br>28<br>29<br>30                | 1                                     | <u> </u> | <b>-</b>   | _        | ļ            | _              | -            | <u> </u>   | Щ               |  |
|                        | 27  | 1                                     |          |  | <u> </u> | <u> </u>     | _              | ⊢-           | <u> </u>   |                 |  |
|                        | 28  | V                                     | <u> </u> | <b>.</b>   | <u> </u> | <u> </u>     | _              | _            |  | Щ               |  |
|                        | 29  | <u> </u>                              | <u> </u> | <u> </u>   | <u> </u> | _            | <u> </u>       | _            |  | Ш               |  |
|                        | 30  |                                       | _        | <u> </u>   |          |              | _              | <u> </u>     |  |                 |  |
| $\vdash$               | 31  |                                       | <u> </u> | <u> </u>   |          | _            | ┞              | <u> </u>     |  | Щ               |  |
| $\vdash \vdash \vdash$ | 32<br>33                                  | _                                     | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>   | Ш               |  |
| igsquare               | 33  | _                                     | <u> </u> | <u> </u>   |          |              | <u> </u>       | <u> </u>     |  | Щ               |  |
| $\vdash$               | 34  | -                                     |          | <u> </u>   |          | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>   | Ш               |  |
| <u> </u>               | 35  | <u> </u>                              | <u> </u> | <u> </u>   |          | <b> </b> _   | <u> </u>       | <u> </u>     | L.   | Ш               |  |
| <u> </u>               | 36  |                                       | <u> </u> | <u> </u>   | L.,      | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>   | Щ               |  |
|                        | 37  | <u> </u>                              | _        | _  | L        | <u> </u>     | $\vdash$       | <u> </u>     |  | Щ               |  |
|                        | 38  | _                                     | <u> </u> | <u> </u>   | <u> </u> | ⊢            | <u> </u>       |              | _  | Щ               |  |
| <u> </u>               | 39  | <u> </u>                              | <u> </u> | ├_   |          | <u> </u>     | <u> </u>       |              | <u> </u>   | Ш               |  |
| <b></b>                | 40  | <u> </u>                              | <u> </u> | <u> </u>   | L_       |              | <u> </u>       | <u> </u>     | <u> </u>   | Ц               |  |
| إـــــــا              | 41  | $\vdash$                              | <u> </u> | <u> </u>   |          | <u> </u>     |                | _            | <u> </u>   | Ш               |  |
| $\vdash$               | 42  | H                                     | <u> </u> | ⊢  |          |              | <u> </u>       | $\vdash$     | <u> </u>   |                 |  |
| <b> </b>               | 43  | <u> </u>                              | -        | <u> </u>   |          | <u> </u>     | <u> </u>       | $\vdash$     | <u> </u>   | Щ               |  |
|                        | 44  | <u> </u>                              |          | $\vdash$   | _        | <u> </u>     |                | $\vdash$     | <u> </u>   | Ш               |  |
|                        | 45  | <u> </u>                              | <u> </u> | $\vdash$   | _        | <b> </b>     | <u> </u>       | <u> </u>     | <u> </u>   | Ш               |  |
| $\vdash \vdash$        | 46  | -                                     |          | _  |          |              |                | Щ            |  | Ш               |  |
| $\vdash \vdash \mid$   | 47  |                                       | <u> </u> | <u> </u>   |          | $\vdash$     | _              | Ш            | L  |                 |  |
| $\vdash \vdash \vdash$ | 48  | $\vdash$                              |          | $\vdash$   |          | <u> </u>     |                | H            | _  | Щ               |  |
| $\vdash$               | 49  | $\vdash$                              |          |  |          | <u> </u>     |                | L.,          | $\vdash$   |                 |  |
|                        | 50  | Ш                                     |          | L  |          | L            |                | Ш.           |  |                 |  |

| <u> </u>     | <u> </u>                   | ├          | т —  | _  |  | 741  | <del>~</del>  |  |                | ,  |
|--------------|----------------------------|------------|--|--|--|--|---------------|--|----------------|--|
| Final        | Original                   |            |  |  |  |  |               |  |                |  |
|              | 51                         |            | T  | ┢  | 1  | Г  |               | $\vdash$   | 1              |  |
| <b>—</b>     | 51<br>52                   | † <u> </u> |  | ✝  | Т  | Ħ  | ┢             | 1-   | ┢              |  |
|              | 53                         | $\vdash$   |  | $\vdash$   | 1  |  | T             | t  | ┪              | T  |
|              | 54                         |            | <del>                                     </del> | t  | 1-   |  | H             | ┪  | ╁              | $\vdash$   |
|              | 55                         | 1          |  | <del>                                     </del> | 一  |  | ┢┈            | <del> </del>                                     | $\vdash$       | <del>                                     </del> |
|              | 56                         | 1          | $\vdash$   | $\vdash$   | Ħ  |  | ┢             | $\vdash$   | $\vdash$       | _  |
|              | 57                         | 1          | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | H             | ┢  | -              | $\vdash$   |
|              | 57<br>58                   |            | <u> </u>   | $\vdash$   |  |  | _             | T  | H              | $\vdash$   |
|              | 59                         |            |  | 1  | 1  | T  |               | $\vdash$   | ┰              | Н  |
|              | 59<br>60                   |            |  | <del>                                     </del> | Т  |  |               | <del>                                     </del> | $\vdash$       |  |
|              | 61                         | t          | <b>-</b>   | Т  | <u> </u>   |  |               | Г  | ┢              | Т  |
|              | 62                         |            | <u> </u>   |  | _  |  |               |  | 1-             | Н  |
|              | 63                         | t          | 1  | $\vdash$   | Т  | $\vdash$   |               | <u> </u>   | Г              | Н  |
|              | 64                         |            | 1  | Т  | <del>                                     </del> |  |               | T  |                | Г  |
|              | 65                         |            |  |  | Г  |  |               | 1  | Т              |  |
|              | 66                         |            | П  |  |  |  |               |  |                | $\vdash$   |
|              | 67                         |            |  |  | Г  |  | _             |  |                |  |
|              | 68                         | $\vdash$   | Г  |  | T  |  |               |  | _              |  |
|              | 68<br>69                   |            |  |  |  |  |               |  |                | Т  |
|              | 70                         |            |  |  |  |  | $\overline{}$ |  |                | Г  |
|              | 71                         |            |  |  | Г  |  |               |  |                |  |
|              | 72                         |            |  |  |  |  | Γ             |  |                |  |
|              | 73                         |            |  |  |  |  |               |  |                | П  |
|              | 71<br>72<br>73<br>74<br>75 |            |  |  |  |  |               |  |                |  |
|              | 75                         |            |  |  |  |  | $oxed{oxed}$  |  |                |  |
|              | 76<br>77                   |            | <u> </u>   |  |  |  |               |  |                |  |
|              | 77                         |            |  | L_   |  |  | L             |  |                |  |
|              | 78<br>79                   | L          |  | _  | <u> </u>   |  |               |  |                |  |
|              | 79                         | L          |  | L  |  |  | <u> </u>      | L  |                | L  |
|              | 80                         |            | L.   | L  | ļ  | <u> </u>   | L             | L  |                |  |
|              | 81                         | _          |  | _  |  | <u> </u>   | <u>L</u>      | _  |                |  |
| <u> </u>     | 82<br>83                   | _          |  |  |  | L.   | L             | <u> </u>   |                |  |
| <u> </u>     | 83                         | _          | _  | _  |  | L  | _             | <u> </u>   |                |  |
|              | 84                         |            | <u> </u>   | _  |  | <u> </u>   | _             | <u> </u>   |                |  |
| <u> </u>     | 85                         | _          | <del> </del>                                     | -  | _  | -  | <u> </u>      | <u> </u>   | _              |  |
| $\vdash$     | 86<br>87                   |            | H  | ├—   | -  |  | ⊢-            | <del>ا</del> ۔                                   | <del> </del> — | $\vdash$   |
| -            | 07                         | ⊢          |  | _  | _  |  | ┝             | -  | ├              |  |
| -            | 88<br>89                   | ┢          | ⊢  |  | -  |  | ├             |  | ⊢              | -  |
| -            | 90                         | ┢          | ├  | ├  | ⊢  | ├  | $\vdash$      | <u> </u>   | ├              | -  |
|              | 91                         | $\vdash$   | ├  | $\vdash$   | ├—   |  |               | -  |                | -  |
|              | 92                         | -          | ┢  | ├  | $\vdash$   | ┝  | -             |  | ┝              | ⊢  |
| <del> </del> | 93                         |            | ┝  | ├  | ┢╌   | ├─   | _             |  | ┝              | ┝  |
|              | 94                         | ┢          | -  | $\vdash$   | $\vdash$   |  | $\vdash$      | $\vdash$   | <u> </u>       | -  |
| -            | 95                         | _          | -  | $\vdash$   | $\vdash$   |  |               | $\vdash$   |                | -  |
|              | 96                         | <u> </u>   |  | -  |  | $\vdash$   | $\vdash$      | $\vdash$   | Н              | $\vdash$   |
|              | 97                         | <u> </u>   |  | Ι-   |  | $\vdash$   | $\vdash$      |  |                | $\vdash$   |
|              | 98                         |            |  |  |  |  |               |  |                |  |
|              | 99                         |            |  |  |  |  | · · ·         |  |                |  |
|              | 100                        |            |  |  |  |  |               |  |                |  |
|              |                            |            |  |  |  |  |               |  |                |  |

| Ci       | aim   |   | Date         |  |          |  |  |                |  |                 |
|----------|---|---|--------------|--|----------|--|--|----------------|--|-----------------|
|          |   |   |              |  |          |  | Γ  |                |  |                 |
| Final    | Original  |   |              |  |          |  |  |                |  |                 |
| iĒ       | Öriğ  |   |              |  |          |  |  |                |  |                 |
|          |   |   |              | L  | <u> </u> | <u> </u>   |  |                |  |                 |
|          | 101   |   |              |  | _        |  |  |                |  |                 |
| <u> </u> | 102   |   | ļ            | <u> </u>   | _        | <u> </u>   | <u> </u>   | L              | _  | Ш               |
|          | 103   |   | L.           | <u> </u>   | <u> </u> | _  | <u> </u>   | _              | Ь.   | Ш               |
|          | 101<br>102<br>103<br>104<br>105<br>106  |   | ├-           | <del> </del>                                     | <u> </u> | <u> </u>   | <u> </u>   | -              | -  |                 |
| -        | 100   |   | ├            | ⊢  | -        | ┝  | -  | _              | -  | Н               |
|          | 100   |   | ├            | ├  |          |  | ├  | ⊢              | ⊢  | Н               |
|          | 108   |   | -            | }  | _        | ├  | ┢  | ┢              | ╁  | Н               |
|          | 107<br>108<br>109<br>110<br>111   | - | <del> </del> | $\vdash$   | ┢        | ⊢  | ┝  | ├─             | $\vdash$   | Н               |
|          | 110   |   | -            |  |          | _  | $\vdash$   | <del>  -</del> | -  | $\vdash$        |
|          | 111   |   |              | _  |          |  | <del>                                     </del> | _              | $\vdash$   | $\vdash$        |
|          | 112   |   |              | T  |          | Г  | T  | Ι-             | Г  | H               |
|          | 113   |   |              |  |          |  | Ι.   |                |  | М               |
|          | 114   |   |              |  |          |  |  |                |  |                 |
|          | 115   |   |              | 匚  |          |  |  |                |  |                 |
|          | 112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |   |              |  |          | L  |  |                |  |                 |
|          | 117   |   | _            | _  | <u> </u> | <u> </u>   | L  | <u> </u>       | <u> </u>   |                 |
|          | 118   |   |              | <u>_</u>   | <u> </u> |  |  |                |  | Ш               |
|          | 119   |   | <u> </u>     | <u> </u>   | _        | ļ  | _  |                | ļ  | Ш               |
|          | 120   |   |              | _  |          | _  | ļ  | <u> </u>       | <u> </u>   | Щ               |
|          | 121   |   |              | _  | -        |  | <u> </u>   | <u> </u>       | ļ  | $\square$       |
|          | 122   |   | -            |  | <u> </u> | ┝  | $\vdash$   | -              | <u> </u>   |                 |
|          | 123   |   |              | $\vdash$   | <u> </u> | ├  |  | -              | -  | Н               |
|          | 125   |   |              | -  |          |  | ├─   | ┝              | ┝  | $\dashv$        |
| <u> </u> | 126   |   | -            | 一  |          | <del>                                     </del> | <del> </del>                                     | ┢              | ╫┈   | $\vdash$        |
|          | 127   |   | -            | $\vdash$   | -        | -  |  | ┢              | -  | H               |
| -        | 128   |   |              |  |          | $\vdash$   |  |                | <del>                                     </del> | М               |
|          | 129   |   |              | İ  |          | Г  | $\vdash$   |                |  |                 |
|          | 130   |   |              | Г  |          | Г  |  |                | _  |                 |
|          | 131   |   |              |  |          |  |  |                |  |                 |
|          | 132<br>133  |   |              |  |          |  |  | Ĺ              |  |                 |
|          | 133   |   |              | <u>_</u>   |          |  | L  |                | L_   |                 |
|          | 134   |   |              | L  | <u> </u> |  | _  | _              |  | Ш               |
|          | 135   |   |              |  | <u> </u> |  | <u> </u>   | <u> </u>       | _  |                 |
|          | 135<br>136<br>137   |   | <u> </u>     | $\vdash$   | <u> </u> | _  | <u> </u>   | <u> </u>       | _  | $\vdash$        |
|          | 120   |   | _            | $\vdash$   |          | -  |  | <u> </u>       | <u> </u>   | $\vdash \vdash$ |
|          | 138<br>139  | - | -            | $\vdash$   | $\vdash$ | <del>-</del>                                     | <u> </u>   | <u> </u>       | <u> </u>   | $\dashv$        |
|          | 140   | _ | -            |  | H        | <u> </u>   | $\vdash$   | -              | $\vdash$   | $\vdash \vdash$ |
|          | 141   |   |              | <del>                                     </del> | $\vdash$ |  | _  | <u> </u>       | Ι  | $\vdash \vdash$ |
|          | 142   |   |              |  | -        |  | $\vdash$   |                | -  | H               |
|          | 143   |   |              |  | Н        | П  | <u> </u>   |                | $\vdash$   | Н               |
|          | 144   |   |              |  |          |  |  |                |  | Н               |
|          | 145   |   |              |  |          |  |  |                |  | $\dashv$        |
|          | 146   |   |              |  |          |  |  |                |  | $\neg$          |
|          | 147   |   |              |  |          |  |  |                |  |                 |
|          | 148   |   |              |  |          |  |  |                |  |                 |
|          | 149   | _ |              |  |          |  |  |                |  |                 |
|          | 150   |   |              |  |          |  |  |                |  |                 |